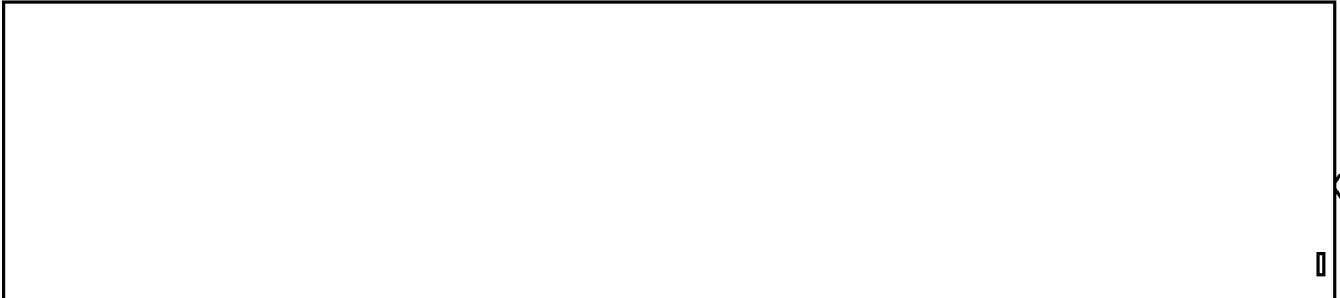


9 January 1970

25X1A

Dear Howard:



The Fixed Self-Test Prism and Improved Telescope Seal, CJC:70002, is submitted as the result of an investigation by the factory to provide a positive mount self-test mirror. A by-product of installing a fixed prism to provide illumination for self-test operation is an improvement in the telescope seal. The incorporation of this change is considered highly desirable since the detector array is contained within the telescope housing and experience has proven the ~~technical~~ ^{DETECTOR} array deteriorates in a moist atmosphere.

The Increased Azimuth Field of View, CJC:70003, is submitted as a result of a feasibility study performed at the factory and Proposal CJC:69023 which was submitted on 14 November 1969 and approved by you on 5 December 1969. The results of the feasibility study have been forwarded under separate cover; however, for convenience we are incorporating herein an additional copy of that feasibility study.

The Technical Manual Revision, CJC:70004, is submitted as a result of changes proposed in CJC:70002 and CJC:70003 and to incorporate changes which have occurred since the manual was issued. Those changes are the result of revisions in maintenance philosophy and will include a description and field procedures for the use of the collimator dessicant dryer, telescope purge and additional precautions to avoid the possibility of damage to detectors. At the present time two systems are located at the factory. It is suggested that these systems be retained until all modifications are completed. As a system becomes available it can be shipped and another system be returned from the field until all units are updated.

It is estimated that the first shipment can be completed within sixty days after authority to proceed and then one system each two weeks thereafter until all 13 units have been modified. The schedule, of course, is dependent upon a timely return of units from the field.


Colin

Encl.